

NORTH SHORE WATER COMMISSION
2019 CAPITAL IMPROVEMENT BUDGET - APPROVED - 09/12/2018

(Staffing Level of 1 Manager, 1 Foreman, 1 Technician Mechanic, 4 Relief Op/Tech, Part-Time Interns & Gardener)

-- REVENUES --

ACCT. NO. & TITLE	2016*	2017*	2017 BUDGET	2018 BUDGET	APPROVED	% CHNG. 18 to 19
	REVENUES	REVENUES			2019 BUDGET	
-- UTILITY OPERATING INCOME --						
Payment from Member Communities - Agreement	160,166	154,165	206,353	187,271	153,398	-18.1%
Wholesale Water Sales	71,053	69,627	-	-	-	
Investment Income	2,369	4,840	-	-	-	
REVENUE TOTAL	233,588	228,632				
BUDGET TOTAL			206,353	187,271	153,398	-18.1%
<i>DIFFERENCE (YEAR-TO-YEAR)</i>			-	(19,082)	(33,873)	

**Revenues before surplus funds are refunded to member communities.*

-- EXPENSES --

ACCT. NO. & TITLE	2016	2017	2017 BUDGET	2018 BUDGET	APPROVED	% CHNG. 18 to 19
	EXPENSES	EXPENSES			2019 BUDGET	
-- INTANGIBLE PLANT --						
301 -- Organization	-	-	-	-	-	
302 -- Franchises and Consents	-	-	-	-	-	
303 -- Miscellaneous Intangible Plant	-	-	-	-	-	
Total	-	-	-	-	-	
-- SOURCE OF SUPPLY PLANT --						
310 -- Land and Land Rights	-	-	-	-	-	
311 -- Structures and Improvements	-	-	-	-	-	
312 -- Collecting and Impounding Reservoirs	-	-	-	-	-	
313 -- Lake, Rivers, and Other Intakes	-	-	-	-	-	
314 -- Wells and Springs	-	-	-	-	-	
316 -- Supply Mains	-	-	-	-	-	
317 -- Other Water Source Plant	-	-	-	-	-	
Total	-	-	-	-	-	
-- PUMPING PLANT --						
320 -- Land and Land Rights	-	-	-	-	-	
321 -- Structures and Improvements	-	-	-	-	-	
323 -- Other Power Production Equipment	13,653	-	-	-	-	
325 -- Electric Pumping Equipment	60,869	-	-	-	-	
326 -- Diesel Pumping Equipment	-	-	-	-	-	
328 -- Other Pumping Equipment	-	-	-	-	-	
Total	74,522	-	-	-	-	
-- WATER TREATMENT PLANT --						
330 -- Land and Land Rights	-	-	-	-	-	
331 -- Structures and Improvements	-	-	-	-	-	
332 -- Sand or Other Media Filtration Equipment	-	50,176	79,267	102,848	118,398	15.1%
333 -- Membrane Filtration Equipment	-	-	-	-	-	
334 -- Other Water Treatment Equipment	81,413	7,287	18,120	-	-	
Total	81,413	57,463	97,387	102,848	118,398	15.1%
-- TRANSMISSION AND DISTRIBUTION PLANT --						
340 -- Land and Land Rights	-	-	-	-	-	
341 -- Structures and Improvements	-	-	-	-	-	

342 -- Distribution Reservoirs and Standpipes	-	-	-	-	-	
343 -- Transmission and Distribution Mains	-	-	-	-	-	
345 -- Services	-	-	-	-	-	
346 -- Meters	-	-	-	-	-	
348 -- Hydrants	-	-	-	-	-	
349 -- Other Transmission and Distribution Plant	-	-	-	-	-	
Total	-	-	-	-	-	
-- GENERAL PLANT --						
389 -- Land and Land Rights	-	-	-	-	-	
390 -- Structures and Improvements	-	-	-	-	-	
391 -- Office Furniture and Equipment	-	-	-	-	-	
391.1 -- Computer Equipment	-	-	-	-	-	
392 -- Transportation Equipment	-	21,796	25,000	-	-	
393 -- Stores Equipment	-	-	-	-	-	
394 -- Tools, Shop and Garage Equipment	-	825	-	10,000	-	-100.0%
395 -- Laboratory Equipment	40,599	-	-	-	-	
396 -- Power Operated Equipment	5,569	-	-	-	35,000	
397 -- Communication Equipment	-	-	-	-	-	
397.1 -- SCADA Equipment	18,403	74,401	83,966	74,423	-	-100.0%
398 -- Miscellaneous Equipment	-	-	-	-	-	
Total	64,572	97,022	108,966	84,423	35,000	-58.5%
EXPENSE TOTAL	220,506	154,485				
BUDGET TOTAL			206,353	187,271	153,398	-18.1%
DIFFERENCE (YEAR-TO-YEAR)			-	(19,082)	(52,955)	

-- ALLOCATION TO MEMBERS --

	2019 Capital Allocation Rate	Annual Capital Commitment
Village of Whitefish Bay	33.16%	\$50,866.78
City of Glendale	48.17%	\$73,891.82
Village of Fox Point	18.67%	\$28,639.40
SUM	100.00%	\$153,398.00

BUDGET WORKSHEET - CAPITAL IMPROVEMENTS DETAIL

9/12/2018

**PROPOSED
CAPITAL
BUDGET**

Capital Improvement Projects

Number	Description	Total
2019-1	Reservoir Upgrade Project	\$ 115,000

During routine inspection of the reservoirs in 2016, several deficiencies were discovered. An engineering firm will have to design improvements and produce the associated contract documents in 2019 so that the project can be bid as soon as possible in 2020. Some of the improvements that need to be designed include the installation of an overflow system, modifications to reservoirs 1 and 2 to bring them up to current standards, and the abandonment of reservoirs 3 and 4.

<u>Item Description</u>	<u>Estimated Cost</u>
Engineering - Design and Bid Documents	\$ 115,000

Number	Description	Total
2019-2	Tractor Replacement	\$ 35,000

Plant staff purchased a tractor in 2001 with the necessary attachments to cut the lawn and to remove snow. Although a new Toro lawn tractor was purchased in 2016, the tractor from 2001 is still being used for snow removal and to move various objects with its front-end loader. This tractor frequently breaks down and should be replaced with a new tractor or equivalent machine. The replacement machine would likely be purchased used with less than 1000 hours of service and have a rated operating capacity of 1300 lbs or more.

<u>Item Description</u>	<u>Estimated Cost</u>
Replacement for Kubota Tractor	\$ 30,000
Snow Plow Blade and Accessories	\$ 5,000

Number	Description	Total
2019-3	Air Dryer Replacement	\$ 3,398

This project involves the replacement of a dessicant-based air dryer system with a refrigerated-based system. The new system is expected to be 4 times more efficient than the current system and will require less maintenance.

<u>Item Description</u>	<u>Estimated Cost</u>
Self-Performed Labor	\$ 398
Air Dryer Replacement	\$ 3,000

GRAND TOTAL		\$ 153,398
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